

Volynskii, E.
THE EQUILIBRIUM OF TWO SUBSTANCES IN A
MIXED BINARY SOLVENT. VIII. SYSTEM
 $\text{BaSO}_4 - \text{H}_2\text{SO}_4 - \text{H}_2\text{O}$. [1962] 22p (figs. omitted)

6 refs

Available on loan from SLA

63-10404

Trans. of [Zhurnal Obshchei Khimii] (USSR) 1909,
v. 41, p. 1763-1778 and 1910, v. 42, p. 1180-1194

DESCRIPTORS: *Chemical equilibrium, Solvents,
*Barium compounds, Sulfates, *Sulfuric acid,
Water, Reaction kinetics

(Chemistry--Physical, TT, v. 9, no. 7)

63-10404

I. Volynskii, E
II Title: System

Office of Technical Services

Production of High Strength Cast Irons by
Alloying With Nitrogen Introduced by Means of
Calcium Cyanamide, by H. Volianski.

Patent, per, Funderie, No 175, Aug 1960,
pp 507-324.

EXTRA 988

3-1 M10/M25

156,048

Aug 21

Graphite Separation by Gas : Treatment of a Cast
Iron Melt, by George Blanc, Nicolas Volianik, 62 p.

GERMAN, per, Giesserei, 1957, Vol XLIV, No 10,
pp 277-290.

SLA 59-20990

Sci

Apr 60

112,038

Vol III, No 3

Assembly of Trestle Type Prefabricated Piers, by
D. E. Gurevich, A. G. Volik, 7 pp.

RUSSIAN, per, Transport Stroitel, No 2, 1963,
pp 23-27.

ACSI I-3635
ID 2251708

248,422

Sci - Engr
Feb 64

Study of the Bactericidal Properties of Uvic
Lamps, by N. K. Volik, E. Ya. Nikolayeva.

RUSSIAN, per, Trudy Gosudarstvennyi Nauchno-
Kontrol'nyi Institut Veterinarnykh Preparatov,
Vol VII, 1957, pp 284-289. CIA 9042900

USDA

Sci - Medicine
Oct 59

98,922

Scientific Basis and Principles of the Depth
Method of Culturing Microbes and Its Application
in Biological Industry, by E. K. Volik.

RUSSIAN, per, Trudy Gosud Nauchno-Kontrol' Inst
Vet Prognostik, Vol IV, Moscow, 1953, pp 46-59.

USDA

Scientific - Biology

OTS 67/Apr 55

22,957

Experiments in Growing Virus of Brucellosis by the
Anticlockwise Method, by E. K. Volik.

Scientific, Ser. Trudy Gosvet Nauchno-Kontrol' Inst. Vet
Preparatory, Vol V, 1955, pp 201-208. CIA D 472245

34,191

USDA

Scientific - Medicine; Biology

May 55 CTS/aea

Bactericidal Properties of Uviol Lamps. (Autoreport)
by E. K. Volik.

RUSSIAN, per, Veterinariya, Vol XXXIV, No 9, Aug
1957, Moscow, pp 81, 82. CIA 9013130

USDA

Sci - Medicine
Oct 57

54,158

(DC-1079)

Potentiated Anesthesia and Hypothermia in Clinical Practice, and the Possibility of Their Use Under Field Conditions, by A. N. Berkutov, A. A. Volikov, L. A. Smetanin, 9 pp.

RUSSIAN, no per, Voenno-Meditsinskiy Zhur, No 1, Moscow, 1957, pp 50-55.

NS JPPS/DC-L-751

Sci - Medicine, hypothermia

75 091

Результаты исследования в чрезвычайных ситуациях
по чрезвычайным, by A. N. Bernikov, et al.
MOSCOW

Москов, по пер, Давыдов Фед Михай, Давыдов
Москов, Feb 1950, pp 26-33

СС СРСР 1954-55

1954-55

1954-55

1954-55

Results of trials in the method of Intratracheal
Anesthesia and Potentiated Analgesia by
A. A. Volynskiy

RUSSIAN, no per, Voenno Med Zhur, No 6,
Moscow, Jun 1958, pp 36-47

US JPRS(NY) 666

Sci - Medicine
Doc 98

77,296

THE EFFECT OF THE VELOCITY OF THE MEDIUM ON
THE CORROSION OF STEEL 1KH10N2T, BY G. I.
SHVARTS, I. G. VOLIKOVA.

RUSSIAN, BK, SBORNIK STATEY VSESOWNZ NAUCH
ISSLEDOVANIYA I KONSTR INST KHIM MASHINOSTR,
VOL XXV, L55, PP 75-86.

ILL M.3506
•BISI 2293

SCI - CHEM
JUN 682

L99,110

New Synthesis of 5,6-Dimethylbenzimidazole,
by V. M. Berezovskiy, L. S. Tul'chinskaya, N. G.
Vorlikova, 4 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXX, No 10,
1959, pp 3434-3437.

CB

Sci

171, 742

Oct 61

Synthesis of Calcium Fluoride and Hydro-
Fluoric Acid From Fluosilicic Acid, by S. I.
Volikovich, M. G. Gabrielyova.

RUSSIAN, per, Zhur Prikladnoi Khimii,
Vol XXV, 1952, pp 345-349.

SLA TT 64-20350

S. I. Volikovich

May 67 325,027

Orbital Nature of Fan-Shaped
Structures, by A. V. Vaila, 7 pp.
RUSSIAN, per, Sovetskaya Geologiya,
Vol 6, No 2, 1963, pp 34-41.
AGI in International Geology Review,
v. 6, no. 11, pp 2020-2026

A. V. Vaila

336,284

Sci
Aug 67'

The Trailing Edge of Pulses in a Cathode Vacuum
With Capacitive Load, by M. L. Volin, 11 pp.

RUSSIAN, per, Radiotekhnika, Vol XI, No 3, 1956,
pp 63-69.

ATIC P-78-9180/V

Sci Phys

Dec 58

77,993

The Electrical Conductivity of Ternary Systems Composed of Amines, Acetic Acid and Water, by S. P. Miskidzhyan, I. A. Volina, 6 pp.

RUSSIAN, no par, Zhur Obshch Khim, Vol XXVI, No 4, Apr 1956, pp 1041-1045.

Consultants Bureau

Sci - Chemistry
Feb 1957 CTS/dex

43,652

Determination of Silicates by Means of 8-Hydroxy-
quinoline, by M. I. Valinets, 5 pp.

RUSSIAN, per, Ukrain Khim Zhur, Vol ^X 31, 1936, pp
18-22.

SIA R-3302

Sci

Aug 57

93, 530

Volumetric Determination of Silicon in Dinas,
Quartzites, Clays and Groggs with the Aid of
8-Hydroxyquinoline, by M. I. Volinets and
S. S. Bernshtein, 3 pp.

RUSSIAN, per, Zavod Lab, Vol V, 1936, pp 1071,
1072.

SLA R-2275

Sci

Aug 58

72,224

(DC-8994).

Korea Fights, by Irina Volk, 8 pp.

RUSSIAN, bk, Koraya Srazheniya, 1953, pp 3-12.

JPRS-L-1839-N D

AUG 79

94,634

Leaf Roll in Beans and Peas, a New Virus Disease in the Leguminosae, by L. Quantz, G. Volk.

GERMAN, per, Nachrichtenblatt des Deutschen Pflanzenschutzdienstes, Vol VI, No 12, 1954, pp 177-182.

CSIRO 4251

Sci - Biol
Jul 68

207,644

Analysis of the Penetration of Lead in Steel. by
A. L. VORON. USSR

CHRYSTAL, P.M., Arch Eisenhüttenwesen, Vol XVI, No 11,
1942, pp 81-84.

British Iron and Steel Ind
(no number given)

Min/
Sci - Inst
Sep 59

98422

Amelioration de la Resistance a la fatigue des
alliages de nickel resistant a la chaleur par
faibles additions de bore et de zirconium, by
K. E. Volk, A. W. Franklin~~sq~~, 29 pp.

GERMAN to FRENCH, per, Z fuer Metallkde, LI, No 3,
1960, pp 172-179.

Reverse Translation
CEA-A-1467

Sci
Jun 64

Production and Use of Heat-Resisting Aluminum
Coatings, by G. Krewer, K. E. Volk, 20 pp.

OSPMAS, per, Stahl u Eisen, Vols LXVI-LXVII,
1967, pp 250-255.

dIA 57-2834

Sci
Aug 58

70, 587

**Metallographic Studies of Steel With the Electron
Microscope, by H. Bensch, O. Rudiger, P. Stabilein,
K. E. Volk.**

**GERMAN, per, Archiv Eisenhüttenwesen, Vol XV,
1941-1942, pp 431-436.**

Brutcher Tr 1061

SCHAFERSTEN, P.
VOLY, K. E.

Archiv Elektrotechnik, vol. 15, 12 figures, 1 table,
3500 words; November 1941.

The Electrolytic Polishing of Metals.

Druckerei Trans, Order No. 1234, 04.25.

11/24

Charge Carrying Instrument as a High Ohmic
Resistance, by W. Kossel, P. Leonhard,
P. Volk,

GERMAN, per, Z. angew. Phys., Vol VI, ^{no 5,} 1954,
pp 213-22 215.

TPA3/TIB T4536

Sci Physics

30,866

Application of Airborne Magnetic Survey in
Studying the Arctic Basin of the Earth's Crust,
by V. E. Volk,
RUSSIAN, per, Sovetskaya Geologiya, No 2,
1964, pp 117-120. 100057265
ACIC TC-883

Sci-Ear Sci & Ocean
Sept 66

310,576

**The Effect of Wire Structure on Fibre Drainage
Study on Stationary Screen, by W. Brecht, H.
Erfurt and W. Volk, 13 pp.**

GERMAN, par, Das Papier, Sep 1956, pp 395-402.

SLA Tr 57-1720

Sci

Jul 58

67,935

The Influence of Companion Crop on the Yield and
Composition of Clover-Grass Mixtures, by A. Volkart,
T. H. Zurich, 47 pp.

GERMAN

SLA Tr 800/1955

Sci - Biol

50,177

Jul 57

Intramolecular Acylation in the Ferrocene Series.
Cyclization of γ -Ferrocenyl-Substituted Acids
and Keto Acids, by A. N. Nazmayanov, N. A.
Vol'kenau, V. D. Vil'chevskaya, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXVIII,
No 3, 1958, pp 512-514.

Consultants Bureau

Sci - Chem

Jan 59

88, 810

THE ECONOMIC ASSESSMENT OF U.S.S.R. ECONOMIC
by L. V. Vol'kova, P. Z. Zvingin.

MOETAN, par, 1957, No 6, pp 8-13.

ALL H. 1957

USSR

1957

Vol 62

183, 702

Intramolecular Acylation in the Ferrocene Series,
by A. N. Mesnyanov, M. A. Vol'khanov, V. D. Vil'-
chevskaya, 6 pp.

Full tr

RUSSIAN, trbice-mo per, Dok Ak Nauk SSSR, Vol CXI,
No 2, Nov 1956, pp 362-364.

ATIC F-TS-9263/III

Sci - Chemistry
Oct 57

53,492

Synthesis of Alkylferrocenes, by A. M. Kozmoyanov,
N. A. Vol'manau, 6 pp.

Full tr

Russian, per, Dok Ak Nauk SSSR, Vol CVII, No 2,
1956, pp 262-264.

ATIC 7-TS-10052/III

Eol - ~~XXXXXXXXXXXX~~
Dec 1956 RE CTS/dax

Chemistry 4, 867

Acylation of Acetyl- and Ethylferrocene, by A. N.
Nekrasov, N. A. Volkenau, h pp.

RUSSIAN, three-no per, Dok Ak Nauk SSSR, Vol CXI,
No 3, Nov/Dec 1956, pp 605-608.

Consultants Bureau

Sci - Chem

56, 691

Dec 57

Synthesis of Alkylferrocenes, by A. N. Maslanyanov,
and N. A. Volkenau, 4 pp.

Full tr

RUSSIAN, thrice-mo per, Dok, Ak Nauk SSSR, Vol CVII,
No 2, p 262. 3-7-56

CONSULTANTS BUREAU
41,531

Sci - Chemistry
Dec 56 CTS

Synthesis of Stereoisomeric Organomercury Compounds
via Organolithium Compounds, by A. N. Nesmeyanov,
A. E. Borisov, N. A. Volkensau, 8 pp.

Full translation.

RUSSIAN, bimo per, Iz Ak Nauk, Otdel Khim Nauk,
No 6, 1954, pp 992-1001. CIA C 41022

Consultants Bureau

Scientific - Chemistry
Mar 56 CTS/dex

32.017

Devices for the Installing and Dismantling
of Roller Axle Bearings, by Wilhelm
Volkering, 15pp
GERMAN, per, Glasers Annalen, Vol 65, 1911,
No 3, pp 91-97
CFSTI TT-61-18074

Sci - Mach, Fabri & Access Equip
Apr 1

Measurements of the Roll Force and Experiment
Made in the Operation of a Fully-Continuous
Seven-Stand Hot Strip Finishing Mill Train,
by H. Langmann, W. Volkening. UNCL

GERMAN, per, Stahl u Eisen, 28 May 1959.
pp 777-785.

BIBI 187

(16 10s.01.)

Sci - Engr
Oct 59

98, 7-22

Method of Determination of Luminosity Characteristics
of Incandescent Lamps As a Function of Voltage, by
A. A. Vol'kenshtein.

RUSSIAN, no per, Elektrichestvo, 8: 11, 1954, pp 73-76.

36.129

Insdoc
Nat Phys Lab of India
Hillside Rd.
New Delhi-12, India

Scientific - Electricity
Engineering

Jun 56/cax

Visual Photometric Measurements at Low Brightness,
by A. A. Vol'kenshteyn, A. A. Gershun, 6 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol LXVI,
No 1, 1969, pp 59-61.

CIA/TDD/X-1196

Scientific - Physics
CTB/DEX

9176

Effect of Illumination on the Adsorptive Power and
Catalytic Activity of a Semiconductor, by F. F.
Vol'kenshtein, Sh. M. Kogan, 8 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 9,
1959, pp 1536-1545.

CB

221 -
May 61

152,791

The Mechanism of the Reaction Path for Contact
Oxidation on Semiconducting Catalysts (The Example
of the Oxidation of Benzene), by I. I. Yoffe, P. V.
Vol'kenshtein, 4 pp.

RUSSIAN, 1958, Dokl. Akad. Nauk SSSR, Vol. CXVIII, No. 4,
1958, pp 747-750.

Consultants Bureau

Sci - Chem
Dec 58

77,463

The Influence of Ionizing Radiation on the
Adsorptive and Catalytic Properties of Semi-conductors,
by F. F. Vol'kenshtein, 10 pp.

RUSSIAN, per, Kinetika i Kataliz, Vol II, No 4,
1961, pp 481-489.

CB

Sci

Jun 62

200, 21
451

Mechanism of the Dissociation of a Diatomic Molecule
on a Adsorption on the Surface of a Semiconductor, by
P. P. Volkenshtein, 16 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk, 1957,
pp 143-156.

CIA/PDD XX-557
NOT RELEASABLE TO FOREIGN NATIONALS

Sci - Chem

Jan 59

USIS INTERNAL USE ONLY

78,543

Some Special Properties of Adsorption Related to
the Heat Disorder of the Surface of a Crystal,
by P. P. Volkmannstein, 20 pp.

RUSSIAN, no. 10, Zhur Fiz Khim, Vol. XXIII, No. 8,
1949, pp 917-930. D 354904, D 450329.

CIA/FEI X-2207

Sci Museum Library

50/1839

40,794

Also DFB- TP-126

A 12722

Sci - Chemistry Nov 1956 CTS/dax
Bax

Present State of the Electronic Theory of Catalysis
on Semiconductors, by P. P. Vol'kenshteyn.

RUSSIAN, Uspekhi Khim, Vol XXVII, No 11, 1958,
pp 1304-1320.

ATB RJ-1671

Sci - Chem, *Electron*

Jul 59

90,848

Some Problems of the Semiconducted Catalysis
(According to the Material of the International
Congress on Catalysis in Philadelphia), by F. F.
Vol'kenshtein

RUSSIAN, per, Uspekhi Khim, Vol XXVI, No 6, 1957.
pp 659-672.

Tech and Chem

Sci - Chem

Apr 58

66, 250

Electronic Processes in Chemisorption.
Communication 1, by P. P. Volkens, 5 pp.

ATEIN
RUSSIAN, bimo per, Iz Ak Nauk SSSR, Otdel Khim Nauk,
No 5, USSR, 1953, pp 788-794. *CIA DIS/001*

Z - 141
Consultants Bureau

Scientific - Chemistry

CTB 64/Jan 55

20,564

Chemical Adsorption on Ionic Crystals, by
F. F. Volkenshtein,

RUSSIAN, per, Zhur Fiz Khim, Vol XXVI, No 10,
1952, pp 1462-1471.

Co-op Tr Sch No 101
12. 10s. (10s. Od.)

Scientific - Chemistry

Feb 55 CTS

20,850

Recombination of Free Radicals on Semiconducting Surfaces and Its Significance in Luminescence, by F. F. Vekushchev, A. N. Gorkunov, 9 pp.
 KINETIK, per. Khimicheskii i Energiya, Vol IV, No 1, 1966, pp 206-21.

~~Amount Due on Page
New Page - Serial Number
Vol. 1, No. 1~~

100-443684-1

SECRET

Mechanism of the Catalytic Action of Semiconductors,
by P. P. Volkenstein, 5 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk,
No 8, 1957, pp 924-928.

Consultants Bureau

Sci - Chem

May 59

87,165-

Various Types of Bonds in Chemisorption on
Semiconductors, by F. F. Volkenstein, 7 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk,
No 8, 1957, pp 916-923.

Consultants Bureau

Sci - Chem

May 59

87,164

Modification of Catalysts, by P. P. Vol'kenshtein,
24 pp.

RUSSIAN, no per, Zhur Fiz Khim, Vol XXV, No 10, 1951,
pp 1214-1227.

36,115
Sci Tr Center BT-3658

Scientific - Chemistry

Jun 56/dex

The Role of Free Valences in Heterogeneous Catalysis,
by V. V. Voprovskiy, F. P. Vol'kenstein, M. F.
Seminov, 25 pp. (OF 370864).

RUSSIAN, bk, Voprosy Khimicheskoy Kinetiki, Kataliza
i Reaktsionnoi Spetsifichnosti, Moscow, 1955, pp
423-440.

ATIC P-2H-8881/V

Sci - Chemistry

36471

Jul 1956

The Effect of an External Electric Field on the Adsorptive
Power of a Semiconductor, by P. P. Vol'kenshtein, V. B.
Sandomirskiy, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXVIII, No 5,
1958, pp 980-982.

Consultants Bureau

Sci - Chem
Dec 58

77,470

Some Problems of Contemporary Solid State
Electron Theory, by P. P. Vol'kenstein, 23 pp.

RUSSIAN, no per, Zhur Tekh Fiz, Vol XXI, 1951,
p 1544. *CIA D 193511*

Morris D. Friedman

V-111 \$12.00

USSR

Scientific - Physics

CTB 65/feb 55

21,282

Electronic Processes in Chemisorption.
Communication 2, by P. P. Velhoshchtein, 6 pp.

Full translation.

RUSSIAN, bimbo per, Iz Ak Nauk SSSR, Otdel Khim Nauk,
No 6, USSR, Nov/Dec 1953, pp 972-979. CIA D 1,1103

Consultants Bureau

Scientific - Chemistry

CTS 66/Mar 55

21,798

the Chemisorption Capacity and Catalytic Activity
of Semiconduction Films on Metals. By F. F.
Vol 'Kanshtain and V. S. Kuznetsov, -pp. 10

RUSLAN, per, Kinetika i Kataliz, Vol III, No. 5,
1962, pp. 712-723.

CB

Sci

341,171

Jun 63

Electronic Conductivity in Dielectrics at
High Fields, by V. F. Vol'kovskii, 23 pp.

RUSSIAN, par, Zhur Tekh Fiz, Vol IX, No 3, 1939,
pp 171-187.

Sci Tr Center
RT-14-47

Scientific - ~~Math~~ Physics

18,922

The Concept of a "Quasi-Isolated" Surface in
the Theory of Chemisorption, by F. P.
Vol'kenstein, Sh. M. Kogan, 4 pp.

RUSSIAN, per, Zhur Fiz Khim, Vol XXXIV,
No 9, 1960, pp 1996-2004.

Cleaver-Rose Press

Sci
Aug 61

167,069

-Semiconductors as Catalysts of Chemical
Reactions, by V. F. Vol'kenshtein, 83 pp.

RUSSIAN, per, Pamphlet, Ak Nauk SSSR, Inst
Poluprovodnikov, No 18, 1956.

SLA R-2325

Sci

AUG 58

72,045

On Some Questions of Semiconductor Analysis, by
F. P. Vol'kenshtein, 4 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Ser Fiz, Vol XXI,
No 2, 1957, pp 180-183.

Columbia Tech

Sci - Physics
May 58

62,983

On Problems Arising in the Theory of Semiconductors
as Catalytic Agents, by P. P. Vol'kenshtein, 3 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Ser Fiz, Vol XXI, No 2,
1957, pp 177-179.

Columbia Tech

Sci - Physics
May 58

62, 912

The Tonal Theory of a Solid and the Limits of Its
Applicability, P. F. Vol'kenshtein.

Full translation.

XLIII

RUSSIAN, no per, Uspekhi Fiz Nauk, Vol ~~43~~, USSR,
1951, pp 11-29.

AEC Tr 1166

Scientific - Physics

Mar 52 CTS

Concerning the Effect of Small Additions of a Foreign Impurity on the Catalytic Activity of Ionic Catalysts, F. F. Vol'kenshtein.

Full translation.

RUSSIAN, no per, Zhur Fiz Khim, Vol 24, No 9, UMER, 1950, pp 1068-1082.

AEC Tr 1165

Scientific - Physics

Mar 52 CTS

On the Theory of Activated Adsorption, Parts
I and II, by F. F. Volkenshtein,

RUSSIAN, per, Zhur Fiz Khim, Vol XXVII, No 2,
1953, pp 159-177.

20,035

[Coop Tr Sch No 99
Lb. 4.15s. (19s. 04.)]

Scientific - Physics

Dec 1954 CTS

301/1107

Plasma of the of Processing and Polymers of Ionic
Catalysis, by V. S. Volkenshtein.

1972, no. 1, Zhur. Khim., Vol. XXII, No. 1, 1-12.

AEC Tr 277

PA 00122

let etc

The Theory of the Photoadsorption Effect on Semi-conductors, by F. F. Vol'kenshtein and I. V. Karpenko, 8 pp.

RUSSIAN, per, Kinetika i Kataliz, Vol III, No 1, 1962, pp 72-80.

Consultants Bureau

Sci
Dec 62

218,196

Semi-Conductors as Catalysts of Chemical Reactions, by
P. F. Vol'kenshtein.

RUSSIAN, per, Uspekhi Fiz Nauk, Vol LX, No 2, 1956,
pp 249-254.

Co-op Tr Sch Tr 390

Sci - Electronics
Nov 57

55.097

USSR/Sci/Chem/Adsorption Theory

C

On the Interactions between Adsorbed Molecules in Connection
With the Theory of Adsorption on Heterogeneous Surfaces,
by V. F. Volkenshtein. ~~UNCLASSIFIED~~

RUSSIAN, per, Zhur Fiz Khim, Vol XXI, No 2, 1947. p. 111-118

ASG Tr 21h

C. June 67S

A-12725

Cooperative Phenomena in the Annealing
and Softening of PVA, by Yu. Sharocov,
M. Vol'kenshtein

RUSSIAN. per, Vysokomolekulyarnye Soe-
dineniya, Vol 4, No 6, 1964, pp 917-921
CSIRO, No. 7648.

M. Vol'kenshtein

Sci -

Jul 67

333,749

Effect of Annealing of Polymer Glasses on
the Temperature Dependence of Thermal
Capacity in the Softening Range, by M
Vol'kenshtein.

RUSSIAN. Vysokomolekulyarnye Soedineniya,
Vol 3, No 11, 1961, pp 1739-45.
CASRO, No. 7647

SR1 -

JUL 67

533,951

**Configurational Statistics of Polymeric Chains,
by M. Vol'kenshtein.**

RUSSIAN, mono.

***Interscience Publishers**

Sci

May 62

Conference on the Mechanical Properties of
Non-Metallic Substances, by M. Vol'kenshtein,
Sov. Sci.

RUSSIAN, per, Uspokhi Fiz. Nauk, Vol LXVII, No 1,
1959, pp 177-.

AIF
Sov. Phys.-Uspokhi
Vol II (67), No 1

Sci

Nov 60

122-112

Approximation Method for the Calculation of Optical
Anisotropies of Macromolecules, by T. M. Birshteyn,
M. V. Vol'kenshteyn, et al, 12 pp.
RUSSIAN, per, Vysokomolekulyarnye Soedineniya,
Vol IV, No 3, 1962, pp 670-677. 922451
AEC-ANL-Tr-58

Sci-Phys
Oct 64

267,845

Volynskii, M. V. and Shorygin, P. P.
ANALYSIS OF GASOLINE BY THE RAMAN EFFECT,
IL [1963] [18] p. 12 refs.
Order from OTS or SLA \$1.60

63-16025

Trans. of [Zhurnal Prikladnoi Khimii] (USSR) 1939,
v. 12, p. 1312-1322.

DESCRIPTORS: *Gasoline, Chemical analysis, *Raman
spectroscopy.

(Miscellaneous--Physics, TT, v. 10, no. 7)

63-16025

I. Volynskii, M. V.
II. Shorygin, P. P.

147523

Office of Technical Services

Heats of Isomerization of Aliphatic Hydrocarbons,
by M. V. Vol'manshtein, 5 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol LI,
1946, pp 213-216.

SLA 61-20165

Sci
Mar 62
Vol VII, No 3

188,100

Optical Activity in the Conformation of Certain Alicyclic
Terpenes, by M.V. Vol'kenshtein, I.O. Levitan, 5 pp.

RUSSIAN, per, Zhur Strukturnoi Khim, Vol III, No 1,
1962, pp 87-92.

CS

Sci

213,2300

Aug 2/ 62

Optical Activity and Conformations of Certain Alicyclic
Ketones, by M.V. Vol'kenshtein, I.O. Levitan, 6 pp.

RUSSIAN, per, Zhur Strukturnoi Khim, Vol III, No 1,
1962, pp 80-86.

CS

Sci

Aug 62

213,299

Relaxation Enthalpy and Cooperative Phenomena in
Polystyrene in the Vitrification Interval
by Yu.A. Sharonov, M.V. Vol'kenshtein pp7

RUSSIAN, per, Fiz Tverdogo Tela, Vol V, No 2, 1963,
pp590-598

Amer Inst of Phys
Sov Phys - Solid State
Vol V, No 2

Sol

Dep 63

244,712
344,112

Effect of Annealing of Polymer Glasses on the
Temperature Dependence of the Heat Capacity in
the Softening Range, by M. V. Volkenshtein,
Yu. A. Sharonov, 14 pp.

RUSSIAN, per, Vysokomolekulyarnye Soedineniya,
Vol III, No 11, 1961, pp 1739-1745. 9670069

DEC RSIC-47

Ref - Chem
Sep 63

344,096

Volkenshtein, M. V. and Shorygin, P. P.
ANALYSIS OF LIQUID FUEL BY THE METHOD OF
COMBINATION SCATTERING. (1961) 10p (1 fig.
omitted) 12 refs
61-16909

Trans. of Union. Trudy Vsesoyuznogo Nauchnogo i
Analiticheskogo Khimicheskogo (Transactions of the All-Union
Conference on Analytical Chemistry) Moscow, 1960,
v. 1, p. 102-104.

DESCRIPTORS: Liquids, *Fuels, *Gasoline, Raman
spectroscopy, Benzene, Alkyl radicals, Cyclo-
hexane, Hexane, Methyl radicals, Toluene,
Fractionation, *Hydrocarbons, Decomposition,
Aluminum compounds, Chlorides, Catalysts, Cata-
lysts, *Waxes, Chemical analysis, Scattering.

A report of the development of Raman spectroscopy as
(Chemistry--Analytical, ET, v. 8, no. 3) (over)

61-16909

I. Volkenshtein, M. V.
II. Shorygin, P. P.
III. Title: All-Union...

Office of Technical Services